

(17) DOT 8 and 8AL cylinders. (i) Each owner of a DOT 8 or 8AL cylinder used

to transport acetylene, flammable gas, must have the cylinder shell and the porous filler requalified in accordance

with CGA Pamphlet C-13. The requalifications must be performed in accordance with the following schedule:

Date of cylinder manufacture	Shell (visual inspection) requalification		Porous filler requalification	
	Initial	Subsequent	Initial	Subsequent
Before January 1, 1991	Before January 1, 2001	10 yrs	Before January 1, 2011	Not required.
On or after January 1, 1991	10 yrs ¹	10 yrs	3 to 20 yrs ²	Not required.

¹ Years from date of cylinder manufacture.

² For cylinders manufactured on or after January 1, 1991, requalification of the porous filler must be performed no sooner than 3 years, and no later than 20 years, from the date of manufacture.

(ii) Except for cylinders requalified and marked in accordance with CGA Pamphlet C-13 before January 15, 1993 an acetylene cylinder must be requalified by a person who holds a valid retester's identification number in conformance with paragraph (e)(1) of this section. Each cylinder successfully passing a shell or filler requalification must be marked with the retester's identification number in accordance with paragraph (e)(6) of this section. In addition, the cylinder must be appropriately marked to identify the type of requalification performed in accordance with paragraph 4.8 of CGA Pamphlet C-13. For example, the letter "S" shall be used for a shell requalification and the letter "F" for a porous filler requalification.

(iii) If a cylinder valve is replaced, a cylinder valve of the same weight must

be used, or the tare weight of the cylinder adjusted to compensate for valve weight differential.

(f) . . .

(2) DOT 8 and 8AL cylinders made entirely of carbon steel with 0.25 percent or less carbon and with 0.90 percent or less manganese, must be reinspected to determine the condition of the cylinder and the porous filler, as prescribed in CGA Pamphlet C-13. If the cylinder has been damaged, the porous filler must be removed and the cylinder must be heat treated and retested. The porous filler must be replaced in accordance with the specification to which the cylinder was made. A cylinder may be returned to service without reheat treatment or retest if the cylinder has no fire or mechanical damage and the porous filler is unchanged and intact.

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5. In § 173.303, a new paragraph (c) is added to read as follows:

§ 173.303 Charging of cylinders with compressed gas in solution (acetylene).

(e) Prefill requirements. Before each filling of an acetylene cylinder, the person filling the cylinder must visually inspect the outside of the cylinder in accordance with the prefill requirements contained in CGA Pamphlet C-13, Section 3.

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Administrator, Research and Special Programs Administration.

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